



THE BEST IN CLASS WITH ADVANCED TECHNOLOGY IN ONE PACKAGE

RUUD *ULTRA SERIES™* HIGH EFFICIENCY COMMERCIAL PACKAGE UNITS FEATURE THE LATEST TECHNOLOGICAL ADVANCES FOR SUBSTANTIAL ENERGY SAVINGS AND IMPROVED COMFORT.

15* & 20 Ton



7 ½ & 10 Ton



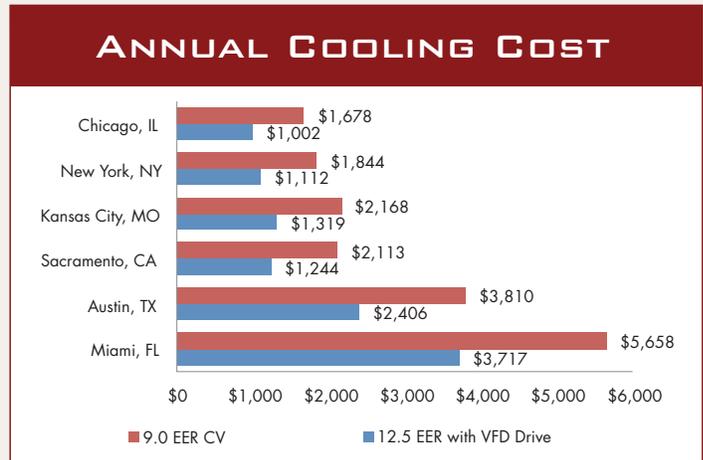
- Exceeds ASHRAE 90.1-2010 minimum efficiency standards by up to 15%
- Exceeds ENERGY STAR® standards by 10%
- Meets Consortium of Energy Efficiency (CEE) unitary air conditioning Tier 2 specification
- Includes ClearControl™ which verifies current unit operation and can easily be expanded to third party building management systems
- Features MicroChannel coil technology for superior heat transfer and reduced refrigerant use - up to 50% less than conventional coils
- VFD Technology for supply fans included on all "-H" models to further enhance energy savings
- 7 ½, 10, 15 and 20 ton package gas electric and package air conditions available

RELY ON RUUD.™

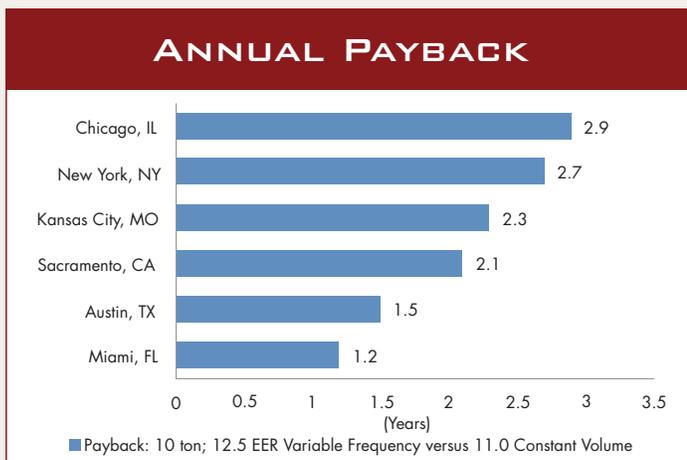
REPLACEMENT OR NEW CONSTRUCTION?

Whether it's time to replace an old package roof top unit on an existing structure or time to choose equipment for a new building, buying the most efficient product makes financial sense.

Today's package rooftop units are 30% more efficient than a unit that was installed 15 years ago. By replacing an old rooftop unit with Ruud's *Ultra Series™* package rooftop unit, the building owner will benefit from significant savings on annual cooling costs.



Pacific Northwest National Laboratory (PNNL) Rooftop Comparison Calculator Assumptions: Equipment Comparison: 10 ton 12.5 EER Variable Frequency supply fan compared to a 9 EER constant volume supply fan; Building Type: Retail Stand Alone; Schedule: All Week 6 a.m. to 10 p.m.; Electrical Cost: 11.5 cents/kWhr; Equipment Life: 15 Years.



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When constructing a new building, purchasing a package unit that has a higher efficiency rating than the minimum required will result in a fast payback on the initial investment.

PACKAGE ROOFTOP UNITS WITH HIGHER EFFICIENCIES BENEFIT ALL COMMERCIAL APPLICATIONS.

Engineered for increased savings and comfort, Ruud *Commercial Ultra Series™* package rooftop units, with efficiencies 15% higher than the federal minimum, can reduce your operating cost while maximizing overall comfort.



Health Clubs



Schools



Restaurants

RUUD COMMERCIAL ULTRA SERIES™ PACKAGE ROOFTOP UNITS FEATURE THE LATEST IN ADVANCED TECHNOLOGY

ClearControl™

ClearControl™ constantly monitors multiple parameters providing industry-leading diagnostics that can be viewed on a two-line, 16-character LCD. It is compatible with most 24-volt thermostats or can communicate directly with BACnet® MS/TP or LonWorks® building management system.

MicroChannel Coils

MicroChannel Coils provide industry leading heat transfer which reduces size and weight of the package rooftop unit while reducing refrigerant requirements over an older systems by as much as 50%.

VFD Technology

Standard package rooftop units have constant volume supply fans. They run one high speed during all modes of operation; whether or not maximum airflow is required, wasting costly, valuable energy.

Ruud Commercial Ultra Series™ package rooftop units with VFD reduce airflow by 50% during 1st stage cooling and fan only operation saving energy and improving comfort when maximum airflow is not required.



RKRL-C Package Gas Electric (7 ½, 10, 15 & 20 Ton Models),
RLRL-C Package Air Conditioner (7 ½, 10, 15 & 20 Ton Models),
RKRL-H Package Gas with VFD (7 ½, 10, 15 & 20 Ton Models),
RLRL-H Package Air Conditioner with VFD (7 ½, 10, 15 & 20 Ton Models)

Factory Options:

- Hail guard
- Stainless steel heat exchanger (package gas electric)
- Non-powered convenience outlet
- Un-fused service disconnect (package gas electric)
- Low ambient
- Comfort Alert™ (Phase monitoring)*
- Communicating Economizer with & without smoke detector

* Comfort Alert™ is a registered trademark of Emerson™

Energy Efficiency

- Exceeds federal minimum efficiency levels
- TXV refrigerant control
- Intertwined face split evaporator
- Scroll compressor technology in all models
- VFD (H models only)

Reliability

- R-410A refrigerant
- High & low pressure control
- Filter driers
- Wiring harnesses
- Cooling operation to 125° F
- Dependable outdoor fan shaft down design
- Sturdy cabinet
- Powder coat paint finish
- Drawn basepan
- Air proving
- Freeze stat sensor

Installation

- Easy low voltage connection
- Smoke detector wiring
- Thru-the-curb gas piping
- Convertible airflow
- Factory charged, wired & run-tested
- Commercial grade base rails

Service

- ClearControl™
- Cooling and heating diagnostics
- Enhanced access with 1/4 turn fasteners and hinges
- Removable drainpan
- Molded compressor plug
- Slide-out indoor fan assembly
- External gauge ports
- Dirty Filter Indicator
- Return air sensor
- Discharge air sensor
- Outdoor air sensor

SPECIFICATIONS

PACKAGE GAS ELECTRIC UNIT										
COOLING DATA						HEAT INPUT			PHYSICAL DATA	
MODEL	NOMINAL TONNAGE	GROSS CAPACITY (BTUH)	AHRI RATED NET CAPACITY (BTUH)	NOMINAL CFM/ARI RATED (CFM)	EER	IEER	STANDARD: (BTUH)	HIGH: (BTUH)	DIMENSIONS H X W X L (INCHES)	SHIPPING WEIGHT (LBS)
RKRL-C090	7.5	95,000	92,000	3,000/2,600	13	14	75,000/150,000	112,500/225,000	44 x 58.8 x 93.7	1,093
RKRL-H090	7.5	95,000	92,000	3,000/2,600	13	15.8	75,000/150,000	112,500/225,000	44 x 58.8 x 93.7	1,093
RKRL-C120	10	124,000	120,000	4,000/3,575	12.5	13.8	75,000/150,000	112,500/225,000	50 x 58.8 x 93.7	1,242
RKRL-H120	10	124,000	120,000	4,000/3,575	12.5	15.6	75,000/150,000	112,500/225,000	50 x 58.8 x 93.7	1,242
RKRL-C180	15	178,000	174,000	6,000/5,500	12.2	13.2	125,000/250,000	175,000/350,000	57 x 85.9 x 152.1	2,147
RKRL-H180	15	178,000	174,000	6,000/5,500	12.2	15	125,000/250,000	175,000/350,000	57 x 85.9 x 152.1	2,147
RKRL-C240	20	240,000	232,000	8,000/7,375	12	12.8	150,000/300,000	200,000/400,000	57 x 85.9 x 152.1	2,389
RKRL-H240	20	240,000	232,000	8,000/7,375	12	14.6	150,000/300,000	200,000/400,000	57 x 85.9 x 152.1	2,389

PACKAGE AIR CONDITIONER										
COOLING DATA						HEAT INPUT			PHYSICAL DATA	
MODEL	NOMINAL TONNAGE	GROSS CAPACITY (BTUH)	AHRI RATED NET CAPACITY (BTUH)	NOMINAL CFM/ARI RATED (CFM)	EER	IEER	STANDARD: (BTUH)	HIGH: (BTUH)	DIMENSIONS H X W X L (INCHES)	SHIPPING WEIGHT (LBS)
RLRL-C090	7.5	95,000	92,000	3,000/2,600	13	14	10	20	44 x 58.8 x 93.7	1,057
RLRL-H090	7.5	95,000	92,000	3,000/2,600	13	15.8	10	20	44 x 58.8 x 93.7	1,057
RLRL-C120	10	124,000	120,000	4,000/3,575	12.5	13.8	10	20	50 x 58.8 x 93.7	1,206
RLRL-H120	10	124,000	120,000	4,000/3,575	12.5	15.6	10	20	50 x 58.8 x 93.7	1,206
RLRL-C180	15	178,000	174,000	6,000/5,500	12.2	13.2	20	75	57 x 85.9 x 152.1	2,009
RLRL-H180	15	178,000	174,000	6,000/5,500	12.2	15	20	75	57 x 85.9 x 152.1	2,009
RLRL-C240	20	240,000	232,000	8,000/7,375	12.2	13.2	20	75	57 x 85.9 x 152.1	2,251
RLRL-H240	20	240,000	232,000	8,000/7,375	12.2	15	20	75	57 x 85.9 x 152.1	2,251

CONVENIENT COMMERCIAL FINANCING IS NOW AVAILABLE!

Ruud Commercial HVAC Equipment Financing allows the full cost of HVAC projects in commercial applications, to be bundled into one convenient, affordable monthly payment. Administered by GreatAmerica™ Financial Services, every aspect of the HVAC project, such as, equipment, installation, labor and extended warranty, is eligible to be financed up to 60 months with no down payment or security deposit! There is no application process, and all contractors in good standing qualify to use the program. **To learn more, visit us online today at www.greatamerica.com/Ruud.**

PAYMENT CALCULATOR

Total Invoice Amount	\$5,000 - \$14,999	\$15,000 - \$49,999	\$50,000 - \$99,999
12 months	.09168	.09073	.09002
24 months	.04837	.04778	.04766
36 months	.03298	.03238	.03215
48 months	.02597	.02536	.02512
60 months	.02174	.02120	.02100

Example: \$13,000 Invoice

1. Select the invoice range in the top row (\$5,000 - \$14,999)
2. Select any term (for 36 months, it's .03298)
3. Multiply \$13,000 x .03298 = \$428.74/month for 36 months



HVAC SYSTEM DESIGN AT YOUR FINGERTIPS.

This web-based software tool allows 24/7 access, enabling the HVAC Design Professional to quickly specify, select and document all Ruud equipment for new construction or replacement HVAC projects in all commercial applications, or any project requiring a customized submittal package.



* 15 ton unit cabinet not shown

In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice.

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